## **Analysis report** PSL14108-1

## **Spectral** Service



Laboratorium für Auftragsanalytik GmbH

Spectral Service GmbH Post box 301186 PerSapiens Ltd.

Mr. Gai Ben-Dror

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Accelerated Conditions

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T=0

PS-Improved version (Supplier A)

Analysis method: quantitative 31P-NMR spectroscopy according to SAA043

Instrument: Bruker Avance 300 MHz with autom, sample changer and BBI probe head

Internal standard: Triphenyl phosphate

Content [%]: 99,9

MW [g/mol]:

326,29

Initial weight test item [mg]: 1099,26

Initial weight Internal Standard [mg]:

18,41

Sample ident.: D-start, Ch.-B.: 24/8/04

Lab.-No:

Spectral Service Code: PSL14108-1

Results from: 26,08,2004

Phospholipid	Weight-%	Mol-%	MW [g/mol]
PC	5,49	14,37	770,0
1-LPC	*)	*)	515,0
2-LPC	0,99	3,86	515,0
Pi	3,01	7,26	835,0
LPI	*)	*)	570,0
PS	17,66	44,68	797,2
LPS	0,28	1,10	517,0
SPH	*)	*)	770,0
PE	3,67	10,20	725,0
LPE	0,08	0,36	470,0
APE	1,45	2,96	990,0
PG	0,14	0,36	758,0
DPG	0,33	0,98	682,5
PA	3,91	11,52	685,0
LPA	0,25	1,16	430,0
Other	0,45	1,18	770,0
Sum	37,71	100,00	
Phosphorus	1,54		

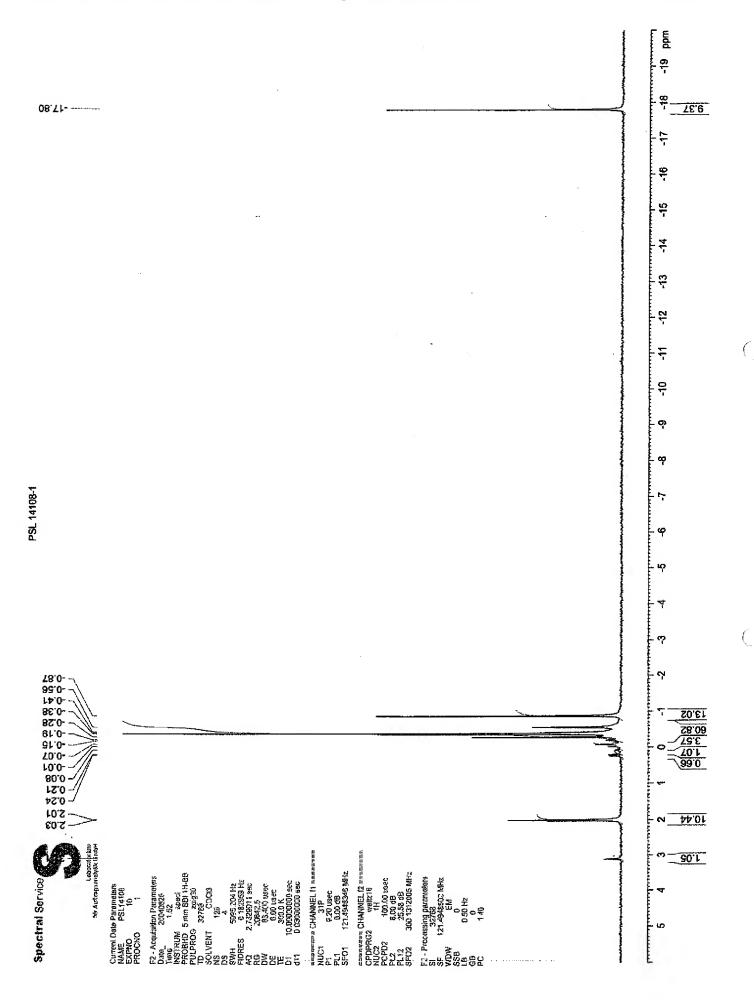
Cologne, 26. August 2004

\*) = not observed, no signal assignment or < 0,02% Limit of detection (S/N 10:1 Peak/Peak) = 0,5%

Thorsten Buchen (Food chemist)

Spectral Service GmbH Vogelsanger Str. 250 D-50825 Köln-Ehrenfeld Geschäftsführer: Dr. Bernd Diehl Dr. Werner Ockels Gesellschaftssitz: Köln HRB 20416 Gerichtsstand Köln

Dresdner Bank Brühl Konto 3 888 198 BLZ 370 800 40



## **Analysis report** ENZ14370-10

## **Spectral** Service



Laboratorium für Auftragsanalytik GmbH

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PS-Improved version (supplier A)
Analysis method: quantitative 31P-NMR spectroscopy according to SAA043

Instrument: Bruker Avance 300 MHz with autom, sample changer and BBI probe head

2 months

326,29

Internal standard: Triphenyl phosphate

Content [%]: 99,9

MW [g/mol]:

Initial weight test item [mg]: 1112,36

Initial weight Internal Standard [mg]:

10,30

Sample ident.: D-35°C 12/10/04

Lab.-No:

Spectral Service Code: ENZ14370-10

Results from: 19.10.2004

Phospholipid	Weight-%	Mol-%	MW [g/mol]
PÇ	5,30	13,63	770,0
1-LPC	····*)	*)	515,0
2-LPC	0,95	3,66	515,0
PI	3,13	7,43	835,0
LPI	~~*)	*)	570,0
PS	16,08	39,98	797,2
LPS	0,06	0,22	517,0
SPH	*)	*)	770,0
PE	3,69	10,09	725,0
LPE	0,32	1,34	470,0
APE	2,29	4,58	990,0
PG	0,35	0,92	758,0
DPG	0,30	0,87	682,5
PA	4,37	12,63	685,0
LPA	0,42	1,95	430,0
Other	1,04	2,68	770,0
Sum	38,30	100,00	
Phosphorus	1,56		

Cologne, 19. Oktober 2004

\*) = not observed, no signal assignment or < 0.02% Limit of detection (S/N 10:1 Peak/Peak) = 0,5%

Thorsten Buchen

(Food chemist)

Spectral Service GmbH Vogelsanger Str. 250 D-50825 Köln-Ehrenfeld Geschäftsführen Dr. Bernd Diehl Dr. Wemer Ockels Gesellschaftssitz: Köln HRB 20416 Gerichtsstand Köln Dresdner Bank Brühi Konto 3 888 198 BLZ 370 800 40